120

QC8- Inspect parts - second check

0.00

QC

Memo

0.00

20

Quality Control

Dart Aerospac	e Ltd
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Dart Ae	rospace i	Lta								_ <u> </u>			
W/O:				WORK ORDER	CHANGES								
DATE	STEP		PRO	OCEDURE CHANGE	·	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
Part No	·:	F	PAR #:	Fault Category:	NCR	: Yes	No DQ	A:	Date:				
	Re	solution:		Disposition:	QA:	N/C CI	osed:		Date: _				
		· · · · · ·		WORK ORDER NON-CON	FORMANCE	(NCF	3/						

NCR:		WORK ORDER NON-CONFORMANCE (NCR)											
		Description of NC		Corrective Action Section B		Verification	Approval	Approval					
DATE	STEP	Section A		Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector					
							·						
			*										

Page 2

Insp.

Stamp

Tuesday, July 13, 2010 10:01:10 AM Item ID: D3500-1 Accept Setup Start **Revision ID:** Stop Saddle Item Name: **Start Date:** 7/13/2010 Start Qty: 12.00 **Cust Item ID:** Req'd Qty: 12.00 Required Date: 7/20/2010 **Customer:** Reference: Run Start Process Plan: Date: **Tooling: Approvals:** Date: Stop Date: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ **Tool ID** Reject Tool # Plan Reject Accept **Work Center ID** Description Qty Qty **Run Hours** Code Number 130 Chemical Conversion Coat per QSI005 4.1 0.00 0.00 HandFinish Memo Hand Finishing 140 White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum 0.00 10 08 19 0.00 Powdercoat Memo START TIME: Powder Coating □OVEN TEMPERATURE: ついく~~□FINISH TIME:

150

Quality Control

QC3- Inspect Part Finish

Memo

0.00

Dart Aerospace Ltd

Dail Ae	Ospace	Liu				•				,′
W/O:			W	ORK ORDER CHA	NGES					
DATE	STEP	PRO	OCEDURE CH	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Car	legory:	NCR	: Yes N	lo DQ) A:	Date:	
Reso		esolution:								
NCR:			WORK ORI	DER NON-CONFOR	RMANCE	(NCR)				
DATE	STEP	Description of NC		Section B			ation	Approval	Approval	
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	on	Sign & Date	Section	on C	Chief Eng	QC Inspector
								:		
							1			İ

Work Order ID 60489

Tuesday, July 13, 2010 10:01:10 AM



Page 3

Item ID:

D3500-1

Accept

Setup Start



Revision ID:

Start Date:

Item Name: Saddle

Required Date: 7/20/2010

7/13/2010

Start Qty: 12.00

Req'd Qty: 12.00

Cust Item ID: Customer:

Reference:

Approvals:

QC:

Process Plan:

Date:

Date:

Tooling: SPC (Y/N): Date:

Date:

Run

Start

Stop

Stop

Sequence ID/

Work Center ID

160

Packaging

Packaging

Operation Description

Identify as per dwg & Stock Location:

Memo

Set Up/ **Run Hours**

0.00

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject

Insp.

Number Stamp

170

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

10/08/24 CZ1018/24

Dart Ae	rospace	e Ltd							, , , , , , , , , , , , , , , , , , ,
W/O:			WC	RK ORDER CHANGE	S				. 4.
DATE	STEP	PROC	EDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	_ Fault Cate	gory:	NCR: Yes	No DQ	A :	Date:	<u> </u>
	R	esolution:	_ Dispositio	n:	QA: N/C Cl	osed:		Date:	
NCR:		. W	ORK ORDI	ER NON-CONFORMAI	NCE (NCR)			
		Description of NC		Corrective Action Section		Verific	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		on C	Chief Eng	QC Inspector
:								:	
					-				

Picklist Print

Tuesday, July 13, 2010 10:01:14 AM

Work Order ID: 60489

Parent Item:

D3500-1

Parent Item Name: Saddle



Start Date: 7/13/2010

Required Date: 7/20/2010

Page 1

Start Qty: 12.00

Required Qty: 12.00

Comments:

IPP Rev:A New Issue 06-06-15 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D6102-013	115 1	Manufactured	No			100	Each	3.0000	1	12			

Saddle Billet

Location Loc Code Loc Qty MAT43 59467

60713

40.00 B.A

Dart Aerospace Ltd

Duit AC	ospaoc	Liu								,
W/O:			WO	RK ORDER CHANGE	S					***
DATE	STEP	PRO	CEDURE CHAN	IGE	В	y	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No):	PAR #:	Fault Categ	jory:	NCR:	es N	lo DQ	A:	_ Date: _	<u> </u>
	R	esolution:	Disposition	:	QA: N/	C Clo	sed:		Date: _	
NCR:			WORK ORDE	R NON-CONFORMAL	NCE (N	ICR)				· · · · · · · · · · · · · · · · · · ·
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description Chief Eng	on B Sign Date				Approval Chief Eng	Approval QC Inspector
•										

DART AEROSPACE LTD	Work Order:	40489
Description: Saddle	Part Number:	D3500-1
Inspection Dwg: D3500 Rev: C		Page 1 of 1-

				Re	corded Act	ual Dimensi	ons	•	-
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.483	0.490		0.486	0.486	0.486	0.486	vein	GA-01
В	1.175	1.185		1, 180	1.180	1, 180	1.180	U	11
С	3.145	3.155		3,150	3.150	3.150	3.150	11	LI.
D	1.175	1.185		1.180	1,180	1, 180	1.180	1.6	11
E	0.365	0.385		0.373	0.373	0.373	0373	11	1/
F	0.490	0.510		0.499	0,499	0.499	0.499	1.1	17
H									
	R1.575	R1.595		R 1.590	R1.589	R 1.588	R1.589	dialin	
J	0.240	0.260		0.248	0.248	0.247	0.248	vera	GA-01
K	0.490	0.510		0.501	0.501	0501	0.501	M	11
L	3.590	3.650		3.620	3.620	3.620	3.620	11	1/
M	0.315	0.322		0.317	0.317	0.317	0.317	11	- (/
N	0.256	0.262		0.260	0260	0.260	0.260	11	11
0	6.500	6.520		6.509	6.509	6.504	6.509	vein	CNC-02
Р	5.990	6.010		6.002	6.002	6.002	6002	H.6	31006
Q	2.820	2.830		2.825	2.825	2.825	2.825	H6	31006
R	2.495	2.505		2.500	2,500	2.500	2.500	vern	GA-01
S	2.245	2.255		2.250	2.250	2,250	2.250	\ /	. (*
Τ	1.120	1.130		1.125	1.125	1.125	1.125	1/	57
U	0.540	0.560		0.551	2,553	0.553	0.553	11	17
V	0.793	0.803		0,798	0.798	0.798	0.798	14.6	31006
W	R.240	R.260		RO.250	0.798 Ro.250	RO.250	RO.250	R.6	re4.
Χ	0.040	0.060		0.050	0.050	0.050	0.050	UERN	GA-01
Υ	0.100	0.120		0.110	0.110	0.110	0.110	47	1)
AA	R1.125	R1.145	RAMARI	R1.135	B 1.136	R1.135	R1.136	dialind	HAAS 3
AB	R.490	R.510		R 0.500	RO.500	R0.500	R0.500	TENNU	rad Gage
AC	0.615	0.635		0.620	0.620	0.620	0.620	USLU	GA-01
AD	0.240	0.260		0.253	0.253	0.253	0.253	11	(/
AE	1.810	1.830		1.822	1.822	1.822	1.822	H-6	31006
AF_	0.240	0.260		0.253	0.253	0,253	0.253	NSLU	GAOI
AG	0.140	0.160		U.150	0.150	0.150	0.150	Mic	GA-03
AH	0.140	0.160		0.152	0.152	0.152	0.152	Mic	118-120
Al	0.140	0.160		0.152	0,152	0.152	0.152	-(/	()
		•		-					
	Acce	pt/Reject					1		
							17		

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Measured by:	B.A.		Audited by A
Date:	10108/16	١,	Date: 10/08/17

Rev	Date	Change	Revised by	Approved
Α	06.09.26	New Issue	KJ/EC	
В	08.10.07	Dimension H removed	KJ/DD	
С	08.11.28	Dimension 'M' revised.	KJ/EC	

Dart Aerospace Ltd

Dant Ac	Ospaci	E Liu											
W/O:			WORK ORDER CHANGES										
DATE	STEP			CEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
								ļ	-				
			·										
	•												
Part No	:		PAR #:	Fault Category:		_ NCR: Yes	No DQ	A:	Date:				
	R	Resolution:	-	Disposition:		QA: N/C	Closed:		Date:				

NCR:		WORK ORDER NON-CONFORMANCE (NCR)										
	_	Description of NC		Corrective Action Section B		Verification	A	Approval				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	QC Inspector				
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DART AEROSPACE LTD	Work Order:	40489
Description: Saddle	Part Number:	D3500-1
Inspection Dwg: D3500 Rev: C		Page 1 of 1

				Red	orded Actu	ual Dimensi	ons	•	
Dim	Min	Max	Go/No Go Gauge	15	16	17	#8	Ву	Date
Α	0.483	0.490		0.486	0.486	0.486	0.486	Vern	G.A-01
В	1.175	1.185		1,180	1.180	1.180	1.180	1.7	11
С	3.145	3.155		3.150	3 150	3,150	3.150	11	1/
D	1.175	1.185		1.180	1.180	1.180	1,180	11	v /
Е	0.365	0.385	•	0,373	0.373	0.373	0.373	1/	17
F	0.490	0.510		0.499	0.499	0,499	0.499	11	1/
Н									
Ī	R1.575	R1.595		R 1.586	R1589	R 1.589	R1.588	Dialind	HAAS 3
J	0.240	0.260		0.248	0.248	0.247	0.248	Vesa	GA-01
K	0.490	0.510		0.501	0.501	0.501	0.501	11	1/
L	3.590	3.650		3.620	3.620	3.620	3-620	11	1/
М	0.315	0.322		6.317	0.317	0.317	0.317	47	17
N	0.256	0.262		0.240	0.260	0.260	0.260	11	11
0	6.500	6.520	*>	6.509	6:509	6.509	6.509	Vein	CNC-02
Р	5.990	6.010		6.002	6.002	6.002	6.002	H-6	31006
Q	2.820	2.830		2.825	2.825	7.825	2.825	11	1/
R	2.495	2.505		2.500	2.500	2500	2.500	Vein	GA-01
S	2.245	2.255		2.250	2.250	7.250	2.250	(1	1/
T	1.120	1.130		0.554	1.125	1.125 0.554	1.125	7	(/
U	0.540	0.560			0.554	0.554	0.555	17	1/
V	0.793	0.803		0.798	0.798	6,798	0.798	H-6	31006
W	R.240	R.260		RO.250	RO.250	Ro.250	RO.250	R-6	۲٤٤.
Χ	0.040	0.060		0.050	0.050	0.050	0.050	Vein	GA-01
Υ	0.100	. 0.120		0.110	0.110	0,110	0/110	٤٠	1/
								11	(/
AA	R1.125	R1.145		R 1.133	R 1.136	K1,136	R1.136	Dialind	HAAS3
AB	R.490	R.510		R 0.500	RO.500	R0.500	R0.500	R-6	ref.
AC	0.615	0.635		0.620	0.620	0.620	0.620	Vern	GA-01
AD	0.240	0.260		0.253	0.253	0.253	0.253	11	11
AE	1.810	1:830		1.822	1.822	1.822	1.822	H-6	31006
AF	0.240	0.260		0.253	0,253	0.253	0,253	Vern	GA -01
AG	0.140	0.160		0.150	0.150	0.150	0.150	Mic	GA-03
AH	0.140	0.160		0.152	0.152	0.152	0.152	Mic	118-120
Αİ	0.140	0.160		0.152	0.152	0.152	0.152	{1 ·	1/
	Acce	ot/Reject					1		

Measured by: 🐰 🐧	Audited by
Date: 1010816	Date: 10/08/17

Rev	Date	Change	Revised by	Approved
Α	06.09.26	New Issue	KJ/EC_	
В	08.10.07	Dimension H removed	KJ/DD	
С	08.11.28	Dimension 'M' revised	KJ/EC	1

DART AEROSPACE LTD	Work Order:	40489	
Description: Saddle	Part Number:	D3500-1	
Inspection Dwg: D3500 Rev: C		Page 1 of 1	

	>			Red	corded Actu	ual Dimensi	ons	•	
Dim	Min	Max .	Go/No Go Gauge	19	\$10	#11	1/2	Ву	Date
A	0.483	0.490		0.486	0.486	.486	. 486	Vern	GA-01
В	1.175	1.185		1.180	1.180	1.180	1.180	17	(/
С	3.145	3.155		3.150	3,150	3-150	3-150	11	17
D	1.175	1.185		1.180	0.373	1.180	1.180	11	11
E	0.365	0.385		0.373		. 370	. 370	1/	17
F	0.490	0.510		0.499	0.499	- 500	- 500	1/	(/
Н									
l	R1.575	R1.595		R1,589	R1.589	1.588	1.588	Dialin	HAAS3
J	0.240	0.260		0.248	0.248	. 250	.250	Vera	GA-01
K	0.490	0.510		0.501	0.501	. 500	1500	11	11
L	3.590	3.650		3.620	3.620	3-620	3.620	11/	111
M	0.315	0.322		0.317	0.317	. 316	. 3/6	11	(/
N	0.256	0.262		0.260	0.260	. 260	, 260	(((i
0	6.500	6.520	**	6.509	6.509	6.510	6.510	Vern	CNC-02
Р	5.990	6.010		6.002	6.002	6000	6.000	H-6	31006
Q	2.820	2.830	•	2.825	2.875	2.825	2.825	6.1	(/
R	2.495	2.505		2.500	2.500	2.500	2,500	Vein	GA-01
S	2.245	2.255	•	2.250	2.250	2.250	2200	11	11
Т	1.120	1.130		1.125	1.125	1.25	1.125	11	()
U	0.540	0.560		0.555	0.554	- 553	1823	11	1/
V	0.793	0.803		0.798	0,798	1798	. 798	H-6	31006
, W	R.240	R.260		RO.250	RO.250	R. 250	1.250	R-6	ref.
X	0.040	0.060		0.050	0.050	,650	1050	Vein	GA-01
Y	0.100	. 0.120		0.110	0.110	110	.110	1.1	1.1
AA	R1.125	R1.145		R1.136	R1.135	1.135	1.135	Dialind	
AB	R.490	R.510		Ro.500	RO500	-500	- 200	R-6	764.
AC	0.615	0.635		0.620	0.620	,620	1620	vein	6A-01
AD	0.240	0.260		0.254	0.253	,257	.257	11	(/
AE	1.810	1:830		1.822	1.822	1.822	1.822	H-6	31006
AF	0.240	0.260		0.253	0.253	.253	. 253	Vein	GA-01
AG	0.140	0.160		0.150	0.150	-150	.150	Mic	GA-03
AH	0.140	0.160	•	0.152	0.152	-156	.156	Mic	118-120
Al	0.140	0.160		0.152	0.152	152	.152	11	()
			۲						
	Acce	pt/Reject							

Measured by: 以,A		Audited by		
Date: 10108	16	Date:	10/08	177

A 06.09.26 New Issue KJ/EC B 08.10.07 Dimension H removed KJ/DD	Date Change	Revised by Approved
B 08.10.07 Dimension H removed KJ/DD	06.09.26 New Issue	KJ/EC _
1 2 1 10	08.10.07 Dimension H removed	KJ/DD LA
1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	08.11.28 Dimension 'M' revised	KJ/EC

DART AEROSPACE LTD	Work Order:	60489
Description: Saddle	Part Number:	D3500-1
Inspection Dwg: D3500 Rev: C		Page 1 of 1

				Re	corded Actu	ual Dimensi	ons		
Dim	Min	Max	Go/No Go Gauge	<i>!</i> 13	Q 141	4 15	#16	Ву	Date
Α	0.483	0.490		.486	.486	-486	. 486		Vern.
В	1.175	1.185		1.180	1.180	1.180	1.180		
С	3.145	3.155		3.150	3-150	3-150	3,150		
D	1.175	1.185		1-180	1.180	1.180	1.180		
E	0.365	0.385		- 370	. 370	. 370	. 370		
F	0.490	0.510		- 500	. 500	- 500	1500		Ý
Н									
	R1.575	R1.595		1.588	1.588	1-588	1-588		Indicator.
J	0.240	0.260		- 250	. 250	. 250	-250		Vern.
K	0.490	0.510		1500	. 500	1500	.500		,
L	3.590	3.650		3-620	3.620	3.620	3,620		
M	0.315	0.322		. 316	. 316	. 3/6	,3/6		
N	0.256	0.262		, 260	- 260	,260	. 260		
0	6.500	6.520	••	6.570	6.510	6-510	6.50		
Р	5.990	6.010		6.002	6.002	6.002	6.002		
a	2.820	2.830		2.825	2.825	2.825	2.825		
R	2.495	2.505		2.500	2.500	2.500	2.500		
S	2.245	2.255		2.250	2.250	2.250	2.250		
T	1.120	1.130		1,125	1-125	1.1250	1.125		
U	0.540	0.560		1553	. 553	-553	.553		
V	0.793	0.803		.798	. 798	1788	-798		Y
W	R.240	R.260		-250	-250	1250	1250		MAD COAGE
Х	0.040	0.060		.050	,050	-050	.050		Ver
Υ	0.100	. 0.120		.110	.110	.110	.110		' u
AA	R1.125	R1.145		1.135	1.135	1.135	1,135		Indicator.
AB	R.490	R.510		, 500	. 500	. 500	-500		Rad Gage
AC	0.615	0.635		.620	-620	,620	.620		Vern
AD	0.240	0.260		- 254	-254	-254	- 254		
ΑE	1.810	1.830	· · · · · · · · · · · · · · · · · · ·	1.822	1.822	1.822	1.822		
AF_	0.240	0.260		, 257	, 257	,257	,257		
AG_	0.140	0.160		.150	1150	150	-150		
AH	0.140	0.160		.156	.156	.156	1156		
ΑI	0.140	0.160		.152	.182	152	-152		Ÿ
	<u>-</u>		:						
						· .			
	Acce	pt/Reject		l		L	0//		

Measured by:

Date: 10 8 17

Audited by Date: 0/08/17

Rev	Date	Change	Revised by	Approved
Α	06.09.26	New Issue	KJ/EC	
В	08.10.07	Dimension H removed	KJ/DD	
С	08.11.28	Dimension 'M' revised	KJ/EC	N/

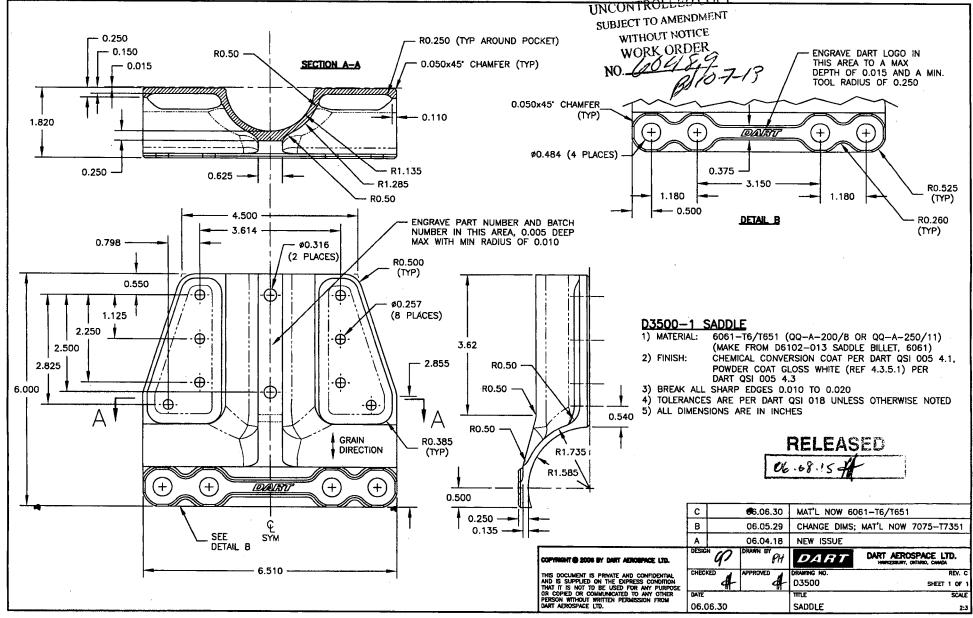
DART AEROSPACE LTD	Work Order: 1104	1569
Description: Saddle	Part Number: D350	00-1
Inspection Dwg: D3500 Rev: C	Page	1 of 1

	· · · · · · · · · · · · · · · · · · ·			Recorded Actual Dimensions				7	
Dim	Min	Max	Go/No Go Gauge	117	# 18	# 19	#20	Ву	Date
Α	0.483	0.490		. 186	.486	. 486	, 4/86		Vers:
В	1.175	1.185		1.180	1-180	1-180	1,180		
С	3.145	3.155		3-150	3.00	1-180	3-150		
D	1.175	1.185		1.180	1.180	1.180	1.180		
E	0.365	0.385		. 370	. 370	_ 370	. 370		
F	0.490	0.510		.500	.500	- 500	,500.		1
Н									
1	R1.575	R1.595		1.588	1.588	4.588	1,588		undi Cafor
J	0.240	0.260		. 250	- 250	- 250	- 250		Vern
K	0.490 .	0.510		1500	.500	- 500	. 500		1
L	3.590	3.650		3.620	3.620	3620	3.620		
M	0.315	0.322		- 3/6	. 316	- 316	.316		
N	0.256	0.262		. 260	-260	.260	-260		
0	6.500	6.520	* + *>	6.510	6.50	6.510	6.510		
Р	5.990	6.010		6.002	6.002	6.002	6.002		
Q	2.820	2.830		2-825	2825	2.825	2.825		
R	2.495	2.505		2-500	2,500	2.500	2,500		
S	2.245	2.255		2.250	2.250	2.250	2.250		
T	1.120	1.130		1.125	1.125	1.125	1.125	,	
U	0.540	0.560		,553	- 853	1553	- 22.3		
V	0.793	0.803		.798	. 798	. 798	.798		V
W	R.240	R.260		. 250	,250	1250	. 250		Had Sage
X	0.040	0.060		,050	,050	1050	,050		NEN
Y	0.100	0.120		.110	.110	,110	110		1'
AA	R1.125	R1.145		1-138	1-136	1.136	1./36		Indication.
AB	R.490	R.510		- 500	- 500	. 500	,500		Rad case
AC	0.615	0.635		.620	.620	. 620	.620		Vern.
AD	0.240	0.260		. 2574	,254	125-4	.25/		1
AE	1.810	1:830		1.822	1-822	1.822	1.822		
AF	0.240	0.260		, 257	-257	-287	,257		
AG	0.140	0.160		. 150	-150	.150	1150		
AH	0.140	0.160	· · ·	.156	.156	.156	1156		1
Al	0.140	0.160		.182	1152	152	152		V
									
	Acce	pt/Reject	· · · · · · · · · · · · · · · · · · ·						
						1	02		

	0 %
Measured by:	Audited by
Date: 10. 847	Date: 10/08/17

Rev	Date	Change	Revised by	Approved
Α	06.09.26	New Issue	KJ/EC _	
В	08.10.07	Dimension H removed	KJ/DD	
С	08.11.28	Dimension 'M' revised	KJ/EC	N

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Dart Aerospace	Lta
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W/O:		WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE By Date Qty Approval Chief Eng / Prod Mgr QC Ins	oval pector							
			*							
Part No); 	PAR #: Fault Category: NCR: Yes No DQA: Date:								

Part No:		PAR #:	Fault Category:		NCR: Yes No DQA:			
	Resolution:		Disposition:		QA: N/C Closed	d:	Date:	
	75.	WO	DK ODDED NON C	ONEODMAI	ICE (NICE)	•.		

DATE		Description of NC	<u> </u>	Corrective Action Séction B		Varification	, ,	
	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector
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